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PTO/SB/21 (08-03)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/623,458
Filing Date	July 17, 2003
First Named Inventor	Baback Gharizadeh
Group Art Unit	1637
Examiner Name	Christopher M. Babic
Attorney Docket Number	87835.2

Total Number of Pages in This Submission

8

ENCLOSURES (check all that apply)

- | | | |
|---|---|--|
| <input type="checkbox"/> Deposit Account 07-1850 Authorization | <input type="checkbox"/> Assignment Papers (for an Application) | <input type="checkbox"/> After Allowance Communication to Group |
| <input checked="" type="checkbox"/> Postage Paid Return Postcard | <input type="checkbox"/> Drawing(s) In/Formal ___ Sheets with Submission of Drawings Transmittal | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Response to Restriction Requirement | <input type="checkbox"/> Issue Fee Transmittal with PTO-85b (in duplicate) | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> Amendment Transmittal Letter (in duplicate) | <input type="checkbox"/> Request for Continued Examination Transmittal (RCE) | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate) | <input type="checkbox"/> Request for Status of Application |
| <input type="checkbox"/> Petition for Extension of Time (___ month) (in duplicate) | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address (2 pages) | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input checked="" type="checkbox"/> Information Disclosure Statement (in duplicate) with Form PTO-1449 (1 pg) citing 4 References | <input type="checkbox"/> Terminal Disclaimer | 4 References |
| <input type="checkbox"/> Express Mail Label No. | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Certificate of Facsimile Transmission | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Statement Under 37 CFR 3.73(b) | Remarks | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Squire, Sanders & Dempsey L.L.P. Jeffrey C. Talkington, Reg. No. 58,381
Signature	
Date	November 10, 2006

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date below

Typed or printed name	Vera Breder	Date	November 10, 2006
Signature			



FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	10/623,458
Filing Date	July 17, 2003
First Named Inventor	Baback Gharizadeh
Examiner Name	Christopher M. Babic
Art Unit	1637
Attorney Docket No.	87835.2

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None
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Deposit
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07-1850

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Name

Squire, Sanders & Dempsey L.L.P.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
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to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$)

2. EXTRA CLAIM FEES

Total Claims		Extra Claims		Fee from below		=	Fee Paid	
Independent Claims						=		
Multiple Dependent	0			X 0		=		

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$).00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	205	Extension for reply within second month	
1253	950	2253	465	Extension for reply within third month	
1254	1,480	2254	725	Extension for reply within fourth month	
1255	2,010	2255	985	Extension for reply within fifth month	
1401	330	2401	160	Notice of Appeal	
1402	330	2402	160	Filing a brief in support of an appeal	
1403	290	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,330	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)180.00

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Jeffrey C. Talkington	Registration No. (Attorney/Agent)	58,381	Telephone	(415) 954-0200
Signature		Date	November 10 2006		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Examiner: Babic, Christopher

Baback Gharizadeh

Serial No. 10/623,458

Art Unit: 1637

Filed: July 17, 2003

Title: TARGET-SPECIFIC MULTIPLE SEQUENCING PRIMER POOL FOR
MICROBIAL TYPING AND SEQUENCING APPLICATIONS IN
DNA-SEQUENCING TECHNOLOGIES

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

11/14/2006 BABRAHA1 00000021 071850 10623458
01 FC:1806 180.00 DA

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §§1.97-1.98**

Dear Examiner:

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and pursuant to 37 C.F.R. §§1.97-1.98, Applicant hereby notifies the U.S. Patent and Trademark Office of the references listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant reserves the right to dispute the listed documents as prior art during examination. Furthermore, Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application. The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other material information may exist.

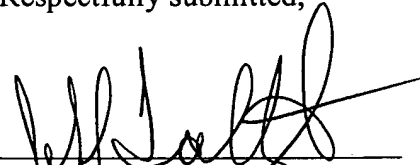
The Examiner is requested to initial the enclosed Form PTO-1449 and return a copy thereof to the undersigned.

The present Information Disclosure Statement is being submitted after receiving the first office action but before an action closing prosecution on the merits. Accordingly, please charge Deposit Account No. **07-1850** in the amount of **\$180.00** as specified in 37 CFR §1.97(c) and 37 CFR §1.17(p). The Commissioner is authorized to charge any deficiencies or other amounts due to Deposit Account No. 07-1850.

Date: November 10, 2006

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San Francisco, CA 94111
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Respectfully submitted,



Jeffrey C. Talkington
Attorney for Applicant
Reg. No. 58,381

FORM PTO-1449 (Modified)		US DEPARTMENT OF COMMERCE		Docket No. 87835.2	Application No. 10/623,458
INFORMATION DISCLOSURE CITATION in an Application (Use several sheets if necessary)				Applicant Baback Gharizadeh	
				Filing Date July 17, 2003	Group Art Unit 1637

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 NOV 13 2006
 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS							
Examiner Initial	Ref. No.	Document Number	Date of Patent	Name	Class	Subclass	Filing Date if Appropriate
	A1						
	A2						

U.S. PATENT APPLICATION PUBLICATION DOCUMENTS							
Examiner Initial	Ref. No.	Document Number	Date of Publication	Name	Class	Subclass	Filing Date if Appropriate
	A3						

U.S. PATENT APPLICATION DOCUMENT							
Examiner Initial	Ref. No.	Document Number	Date of Publication	Name	Class	Subclass	Filing Date if Appropriate
	A4						

FOREIGN PATENT DOCUMENTS								
Examiner Initial	Ref. No.	Document Number	Date of Publication	Country	Class	Subclass	Translation	
							Yes	No
	B1							
	B2							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
C1	Gharizadeh et al., "Multiple group-specific sequencing primers for reliable and rapid DNA sequencing", Molecular and Cellular Probes 17 (2003) pp. 203-210.
C2	Gharizadeh et al., "Multiple primer DNA sequencing method", Electrophoresis 24, (2003) pp. 1145-1151.
C3	Gharizadeh et al., "Type-Specific Multiple Sequencing Primers", J. of Molecular Diagnostics, vol.7, no.2, (2005) pp.198-205.
C4	Gharizadeh et al., "Sentinel-base DNA genotyping using multiple sequencing primers for high-risk human papillomaviruses", Molecular and Cellular Probes XX, (2006) pp. 1-9.
C5	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered.
 Include copy of this form with next communication to applicant.